

Abstract Submitted  
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**Performance and Results from the VERITAS Stellar Intensity Interferometer** DAVID KIEDA, University of Utah, VERITAS COLLABORATION COLLABORATION — The VERITAS Stellar Intensity Interferometer (VSII) has been performing high angular resolution ( $<1$  mas) observations of bright ( $MV=1-3$ ), hot (O/B/A spectral classification) stars since 2019. For the 2020-2021 observing season, VSII is observing a range of astrophysical targets, including a range of spectral classifications and magnitudes, fast rotators, Cepheid variables, and binary/multiple star systems with short orbital periods ( $<20$  days). The VSII observing program has been designed to provide a catalog of stellar radial measurements of northern hemisphere stars, as well as explore potential sensitivity improvements. In this talk I will describe ongoing improvements to the observatory and new science results associated with VSII observations during 2020 and 2021.

David Kieda  
University of Utah

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